



# Use and Care Guide

## Range



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GE Appliances

Models: JMP28  
JMP29  
JMP31

164D2966P715



## HELP US HELP YOU...

### **Before using your range, read this guide carefully.**

It is intended to help you operate and maintain your new range properly.

Keep it handy (or answers to your questions).

If you don't understand something or need more help, call:

**GE Answer Center™**

800.626.2000

**24 hours a day, 7 days a week**

### **How to Remove Packaging Tape**

To assure no damage is done to the finish of the product, the safest way to remove adhesive left from packaging tape on new appliances is an application of a household liquid dishwashing detergent, mineral oil or cooking oil. Apply with a soft cloth and allow to soak. Wipe dry and then apply an appliance polish to thoroughly clean and protect the surface.

**NOTE:** The plastic tape must be removed from the chrome trim on oven parts. It cannot be removed if it is baked on.

### **Write down the model and serial numbers.**

You'll find them on a label behind the range door.

These numbers are also on the Consumer Product Ownership Registration Card that came with your range. Before sending in this card, please write these numbers here:

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Model Number

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Serial Number

Use these number-s in any correspondence or service call concerning your range.

### **If you received a damaged range . . .**

Immediately contact the dealer (or builder) that sold you the range.

### **Save time and money. Before you request service . . .**

Check the Problem Solver in the back of this guide. It lists causes of minor operating problems that you can correct yourself.

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## IF YOU NEED SERVICE

To obtain service, see the Consumer Services page in the back of this guide.

We're proud of our service and want you to be pleased. If for some reason you are not happy with the service you receive, here are three steps to follow for further help.

**FIRST**, contact the people who serviced your appliance. Explain why you are not pleased. In most cases, this will solve the problem.

**NEXT**, if you are still not pleased, write all the details—including your phone number—to:

Manager, Consumer Relations GE Appliances  
Appliance Park  
Louisville, KY 40225

**FINALLY**, if your problem is still not resolved, write:

Major Appliance Consumer Action Panel  
20 North Wacker Drive  
Chicago, IL 60606

# IMPORTANT SAFETY INSTRUCTIONS

Read all instructions before using this appliance.



## IMPORTANT SAFETY NOTICE

- **The California Safe Drinking Water and Toxic Enforcement Act** requires the Governor of California to publish a list of substances known to the state to cause birth defects or other reproductive harm, and requires businesses to warn customers of potential exposure to such substances.
- **The fiberglass insulation in self-clean ovens gives off a very small amount of carbon monoxide during the cleaning cycle.** Exposure can be minimized by venting with an open window or using a ventilation fan or hood.

When using electrical appliances, basic safety precautions should be followed, including the following:

- **Use this appliance only for its intended use** as described in this guide.
- **Be sure your appliance is properly installed and grounded** by a qualified technician in accordance with the provided installation instructions.
- **Do not attempt to repair or replace any part of your range unless it is specifically recommended in this guide.** All other servicing should be referred to a qualified technician.
- **Before performing any service, DISCONNECT THE RANGE POWER SUPPLY AT THE HOUSEHOLD DISTRIBUTION PANEL BY REMOVING THE FUSE OR SWITCHING OFF THE CIRCUIT BREAKER.**
- **Have the installer show you the location of the circuit breaker or fuse. Mark it for easy reference.**
- **Be sure the range is securely installed in a counter that is firmly attached to the house structure.** Weight on the oven door could cause the oven to tip and result in injury. Never allow anyone to climb, sit, stand or hang on the oven door.
- **Do not leave children alone**—children should not be left alone or unattended in an area where an appliance is in use. They should never be allowed to sit or stand on any part of the appliance.
- **Do not allow anyone to climb, stand or hang on the door or cooktop.** They could damage the range or cause severe personal injury.

• **CAUTION: ITEMS OF INTEREST TO CHILDREN SHOULD NOT BE STORED IN CABINETS ABOVE A RANGE OR ON THE BACKSPASH OF A RANGE—CHILDREN CLIMBING ON THE RANGE TO REACH ITEMS COULD BE SERIOUSLY INJURED.**

- **Never leave the oven door open** when you are not watching the range.
- **Always keep combustible wall coverings, curtains or drapes a safe distance from your range.**
- **Do not store flammable materials in an oven or near the cooktop.**
- **Never wear loose-fitting or hanging garments while using the appliance.** Be careful when reaching for items stored over the range. Flammable material could be ignited if brought in contact with hot surface units or heating elements and may cause severe burns.



• **Use only dry pot holders—moist or damp pot holders on hot surfaces may result in burns from steam.**

Do not let pot holders touch hot surface units or heating elements. Do not use a towel or other bulky cloth. Such cloths can catch fire on a hot surface unit or heating element.

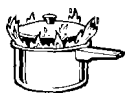
- **For your safety, never use your appliance for warming or heating the room.**
- **Always keep dish towels, dish cloths, potholders and other linens a safe distance from your range.**
- **Always keep wooden and plastic utensils and canned food a safe distance away from your range.**
- **Teach children not to play with the controls or any other part of the range.**
- **DO NOT STORE OR USE COMBUSTIBLE MATERIALS, GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.**
- **Keep the hood and grease filters clean** to maintain good venting and to avoid grease fires.
- **Do not let cooking grease or other flammable materials accumulate in or near the range.**

(continued next page)



# IMPORTANT SAFETY INSTRUCTIONS

(continued)



**Do not use water on grease fires.**

**Never pick up a flaming pan.** Turn the controls off. Smother flaming pan on surface unit by covering the pan completely with well-fitting lid, cookie sheet or flat tray. Use a multi-purpose dry chemical or foam-type fire extinguisher.

Flaming grease outside a pan can be put out by covering with baking soda, or, if available, by using a multi-purpose dry chemical or foam-type fire extinguisher.

Flame in oven can be smothered completely by closing the oven door and turning the oven off or by using a multi-purpose dry chemical or foam-type fire extinguisher.

**Do not touch the surface units, heating elements or the interior surface of the oven.**

These surfaces may be hot enough to burn even though they are dark in color. During and after use, do not touch, or let clothing or other flammable materials contact surface units, areas nearby surface units or any interior area of the oven; allow sufficient time for cooling first.

Potentially hot surfaces include the cooktop, areas facing the cooktop, oven vent opening, surfaces near the opening, crevices around the oven door and metal trim parts above the door.

**Remember:** The inside surface of the oven may be hot when the door is opened.

- **When cooking pork,** follow the directions exactly and always cook the meat to an internal temperature of at least 170°F. This assures that, in the remote possibility that trichina may be present in the meat, it will be killed and the meat will be safe to eat.

## Oven

- **Stand away from the range when opening the oven door.** Hot air or steam which escapes can cause burns to hands, face and/or eyes.
- **Do not heat unopened food containers.** Pressure could build up and the container could burst, causing an injury.
- **Do not use aluminum foil to line oven bottom,** except as suggested in this guide. Improper installation of aluminum foil may result in a risk of electric shock or fire.

- **Keep the oven vent duct unobstructed.**

- **Keep the oven free from grease buildup.**

- **Place the oven shelf in the desired position while the oven is cool.** If shelves must be handled when hot, do not let pot holder contact heating elements in the oven.

- **Pulling out the shelf to the shelf stop is a convenience in lifting heavy foods.** It is also a precaution against burns from touching hot surfaces of the door or oven walls.

- **When using cooking or roasting bags in the oven, follow the manufacturer's directions.**

- **Do not use your oven to dry newspapers.** If overheated, they can catch fire.

- **Do not use oven for a storage area.** Items stored in an oven can ignite.

- **Do not leave paper products, cooking utensils, or food in the oven when not in use.**

- **After broiling, always take the broiler pan out of the range and clean it.** Leftover grease in the broiler pan can catch fire next time you use the pan.

- **Never leave jars or cans of fat drippings on or near your range.**

- **Never leave the oven door open when you are not watching the range.**

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## Self-Cleaning Oven

- **Do not clean the oven door gasket.** The door gasket is essential for a good seal. Care should be taken not to rub, damage or move the gasket.

- **Do not use oven cleaners.** No commercial oven cleaner or oven liner protective coating of any kind should be used in or around any part of the oven. Residue from oven cleaners will damage the inside of the oven when the self-clean cycle is used.

- **Clean only parts listed in this Use and Care Guide.**

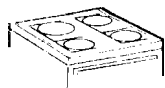
- **Before self-cleaning the oven, remove the broiler pan and other cookware.**

- **Be sure to wipe up excess spillage before starting the self-cleaning operation.**

- **If the self-cleaning mode malfunctions,** press the CLEAR/OFF pad and disconnect the power supply. Have serviced by a qualified technician.



## Surface Cooking Units



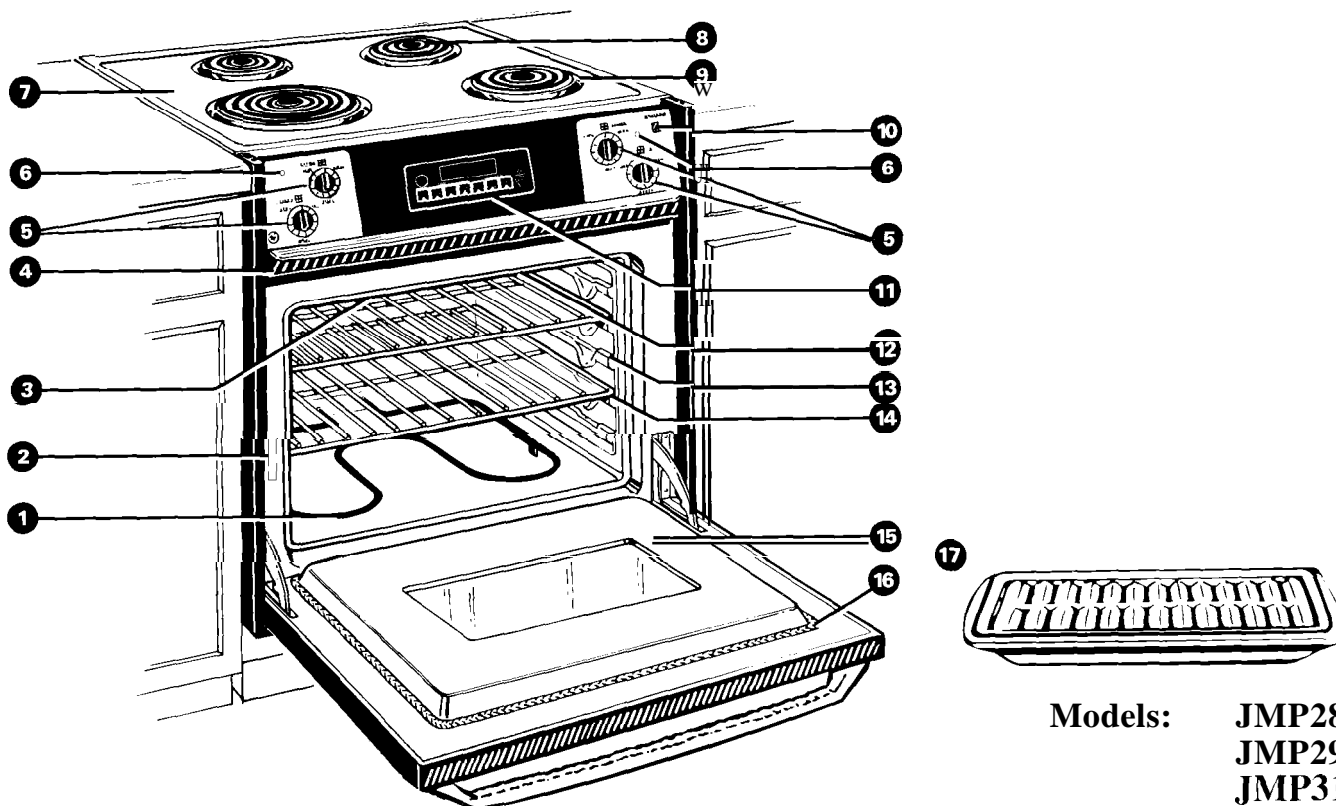
- **Use proper pan size**—Select cookware having flat bottoms large enough to cover the surface unit heating element. The use of undersized cookware will expose a portion of the surface unit to direct contact and may result in ignition of clothing. Proper relationship of the cookware to the surface unit will also improve efficiency.
- \* **Never leave the surface units unattended at high heat settings.** Boilovers cause smoking and greasy spillovers that may catch on fire.
- **Be sure the drip pans and vent are not covered and are in place.** Their absence during cooking could damage range parts and wiring.
- **Do not use aluminum foil to line drip pans or anywhere** in the oven except as described in this guide. Misuse could result in a shock, fire hazard or damage to the range.
- **Only certain types of glass, glass/ceramic, earthenware or other glazed containers are suitable for cooktop cooking;** others may break because of the sudden change in temperature.
- **To minimize the possibility of burns,** ignition of flammable materials and spillage, the handle of a container should be turned toward the center of the range without extending over nearby surface units.
- **Never clean cooktop surface when it is hot.** Some cleaners produce noxious fumes and wet cloths could cause steam burns if used on a hot surface.
- **Always turn the surface unit controls to off before removing the cookware.**
- **Keep an eye on foods being fried at high or medium high heat settings.**
- **To avoid the possibility of a burn or electric shock,** always be certain that the controls for all surface units are at the off position and all coils are cool before attempting to lift or remove a unit.

- **Do not immerse or soak the removable surface units. Do not put them in a dishwasher. Do not self-clean the surface units in the oven.**
- **When flaming foods are under the hood, turn the fan off.** The fan, if operating, may spread the flame.
- **Foods for frying should be as dry as possible.** Frost on frozen foods or moisture on fresh foods can cause hot fat to bubble up and over the sides of the pan.
- **Use little fat for effective shallow or deep-fat frying.** Filling the pan too full of fat can cause spillovers when food is added.
- **If a combination of oils or fats will be used in frying,** stir together before heating, or as fats melt slowly.
- **Always heat fat slowly,** and watch as it heats.
- **Use a deep fat thermometer whenever possible** to prevent overheating fat beyond the smoking point.
- **Never try to move a pan of hot fat, especially a deep fat fryer.** Wait until the fat is cool.

## SAVE THESE INSTRUCTIONS



## FEATURES OF YOUR RANGE



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JMP29  
JMP31

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# HOW DOES THIS COOKTOP COMPARE TO YOUR OLD ONE?



four new cooktop has electric coil surface units. If you are used to cooking with gas burners or other types of electric cooktops, you will notice some differences when you use electric coils.

The best types of cookware to use, plus heat-up and cool-down times, depend upon the type of burner or surface unit you have.

The following can help you understand the differences between electric coil surface units and any other type of cooktop you may have used in the past.

Type of Cooktop	Description	How It Works
<b>Electric Coil</b> 	Flattened metal tubing containing electric resistance wire suspended over a drip pan.	Heats by direct contact with the pan and by heating the air under the pan. For best cooking results, use good quality pans. Electric coils are more forgiving of warped pans than radiant or solid disks. Heats up quickly but does not change heat settings as quickly as gas or induction. Electric coils stay hot enough to continue cooking for a short time after they are turned off.
<b>Radiant (Glass Ceramic) Cooktop</b> 	Electric coils under a glass-ceramic cooktop.	Heat travels to the glass surface and then to the cookware, so pans must be flat on the bottom for good cooking results. The glass cooktop stays hot enough to continue cooking after it is turned off. Remove the pan from the surface unit if you want cooking to stop.
<b>Induction</b> 	High frequency induction coils under a glass surface.	Pans must be made of ferrous metals (metal that attracts a magnet). Heat is produced by a magnetic circuit between the coil and the pan. Heats up right away and changes heat settings right away, like a gas cooktop. After turning the control off, the glass cooktop is hot from the heat of the pan, but cooking stops right away.
<b>Solid Disk</b> 	Solid cast iron disk sealed to the cooktop surface.	Heats by direct contact with the pan, so pans must be flat on the bottom for good cooking results. Heats up and cools down more slowly than electric coils. The disk stays hot enough to continue cooking after it is turned off. Remove the pan from the solid disk if you want the cooking to stop.
<b>Gas Burners</b> 	Regular or sealed gas burners use either LP gas or natural gas	Flames heat the pans directly. Pan flatness is not critical to cooking results, but pans should be well balanced. Gas burners heat the pan right away and change heat settings right away. When you turn the control off, cooking stops right away.



## SURFACE COOKING

Your surface units and controls are designed to give you an infinite choice of heat settings for surface unit cooking. At both OFF and HI the control “clicks” into position.

When cooking in a quiet kitchen, you may hear slight “clicking” sounds—an indication that the heat settings you selected are being maintained.

Switching to higher heat settings always results in a quicker heat change than switching to lower settings.

### How to Set the Controls

Push the knob in and turn in either direction to the heat setting you want.

Be sure you turn the control to OFF when you finish cooking. The surface unit indicator light will glow when ANY heat on any surface unit is on.



### Cooking Guide for Using Heat Settings

**Hi**—Used to begin cooking or to bring water to a boil. Reduce heat setting after water boils.

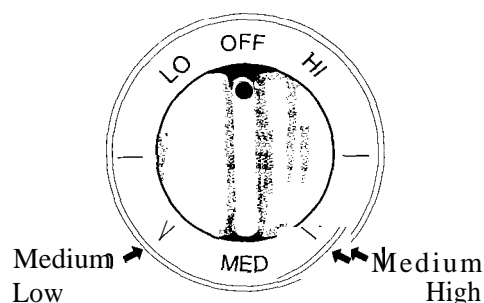
**MEDIUM HIGH**—(Setting halfway between HI and MED) Maintains a fast boil on large amounts of food.

**MED**—Saute and brown; keeps food at a medium boil or simmer.

**MEDIUM LOW**—(Setting halfway between MED and LO) Cook after starting at HI; cooks with little water in covered pan.

**LO**—Used for long slow cooking (simmering) to tenderize and develop flavors. Use this setting to melt butter and chocolate or to keep foods warm.

**NOTE:** The surface indicator light may glow between LO and OFF, but there is no power to the surface units.

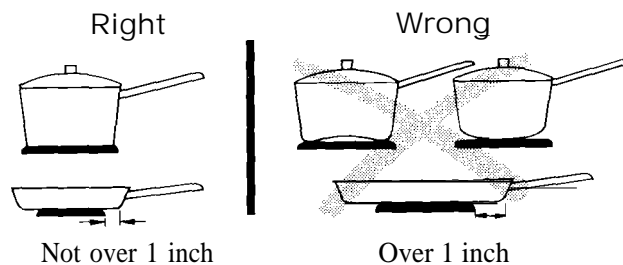


## COOKING TIPS

### Cookware

Use medium- or heavy-weight cookware. Aluminum cookware conducts heat faster than other metals. Cast-iron and coated cast-iron cookware are slow to absorb heat, but generally cook evenly at low to medium heat settings. Steel pans may cook unevenly if not combined with other metals.

For best cooking results pans should be flat on the bottom. Match the size of the saucepan to the size of the surface unit. The pan should not extend over the edge of the surface unit more than 1 inch.







## Deep Fat Frying

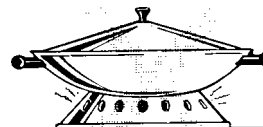
Do not overfill cookware with fat that may spill over when adding food. Frosty foods bubble vigorously. Watch food frying at high temperatures. Keep range and hood clean from grease.

## Wok Cooking

We recommend that you use only a flat-bottomed wok. They are available at your local retail store.



**Do not use woks that have support rings.** Use of these types of woks, with or without the ring in place, can be dangerous. Placing the ring over the surface unit will cause a build-up of heat that will damage the porcelain cooktop. Do not try to use such woks without the ring. You could be seriously burned if the wok tipped over.



## HOME CANNING TIPS

**Canning should be done on surface units only.**

Pots that extend beyond 1 inch of surface units. A deep pan are not recommended for most surface cooking. However, when canning with water-bath or pressure canner, larger-diameter pots may be used. This is because boiling water temperatures (even under pressure) are not harmful to cooktop surfaces surrounding the surface unit.

**HOWEVER, DO NOT USE LARGE DIAMETER CANNERS OR OTHER LARGE DIAMETER POTS FOR FRYING OR BOILING FOODS OTHER THAN WATER.** Most syrup or sauce mixtures—and all types of frying—cook at temperatures much higher than boiling water. Such temperatures could eventually harm the cooktop surfaces surrounding the surface units.

### observe the Following Points in Canning

1. Be sure the canner fits over the center of the surface unit. If your range or its location does not allow the canner to be centered on the surface unit, use smaller-diameter pots for good canning results.
2. For best results, use canners with flat bottoms. Canners with flanged or rippled bottoms (often found in enamelware) don't make good contact with the surface unit and take a long time to boil water.



**Flat-bottomed canners are recommended.**

3. When canning, use recipes and procedures from reputable sources. Reliable recipes and procedures are available from the manufacturer of your canner; manufacturers of glass jars for canning, such as Ball and Kerr; and the United States Department of Agriculture Extension Service.

4. Remember that canning is a process that generates large amounts of steam. To avoid burns from steam or heat, be careful when canning.

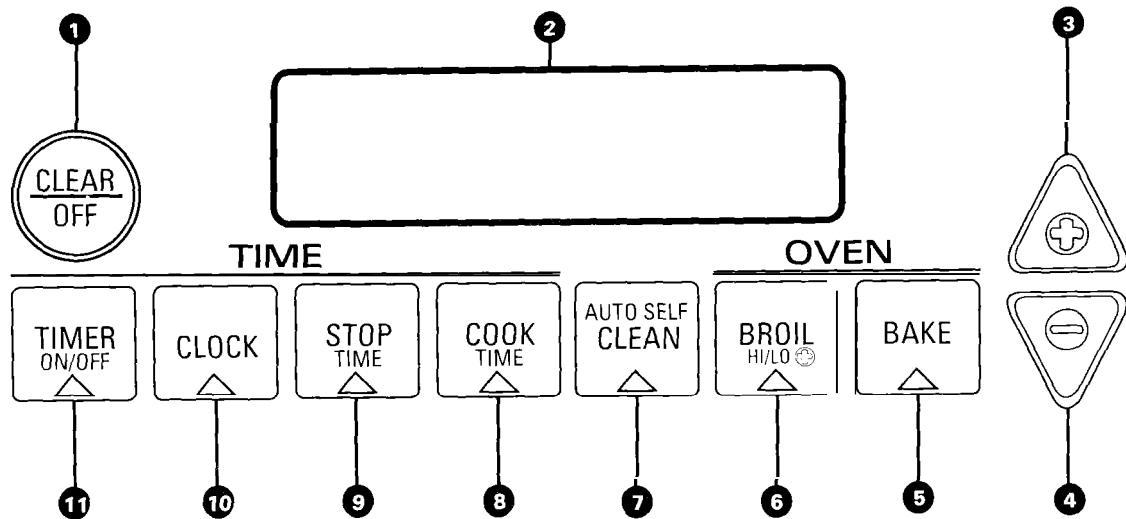
**NOTE:** If your house has low voltage, canning may take longer than expected, even though directions have been carefully followed.

The process time will be shortened by:

- (1) using a pressure canner, and
- (2) starting with HOT tap water for fastest heating of large quantities of water.



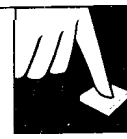
## FEATURES OF YOUR OVEN CONTROL



- 1. CLEAR/OFF.** Press this pad to cancel all oven operations except clock and timer.
- 2. DISPLAY.** Shows the operation you have selected, the time of day and the cooking or cleaning status.
- 3. INCREASE.** Short taps to this pad increase time or temperature by small amounts. Press and hold pad to increase time or temperature by larger amounts.
- 4. DECREASE.** Short taps to this pad decrease time or temperature by small amounts. Press and hold pad to decrease time or temperature by larger amounts.
- 5. BAKE.** Press this pad to select the bake function.
- 6. BROIL.** Press this pad to select the broil function.
- 7. AUTO SELF CLEAN.** Press this pad to select the self-cleaning function. See the Operating the Self-Cleaning Oven section.
- 8. COOK TIME.** Press this pad for Timed Bake operations.
- 9. STOP TIME.** Use this pad along with COOK TIME or AUTO SELF CLEAN pad to set the oven to start automatically at a time you select.
- 10. CLOCK.** To set the clock, first press the CLOCK pad. Then press the INCREASE or DECREASE pad to change the time of day. Press the CLOCK pad to start.
- 11. TIMER ON/OFF.** Press this pad to select the timer function. The timer does not control oven operations. The timer can time up to 9 hours and 55 minutes.  
  
To set the timer, first press the TIMER ON/OFF pad. Then press the INCREASE or DECREASE pad to change the time.  
  
To cancel the timer, press and hold the TIMER ON/OFF pad while "TIMER" is displayed.

**If "E" and a number" flush on the display and the oven control signals, this indicates function error code. Put the oven back into operation. Press the CLEAR/OFF pad. Allow the oven to cool for 1 hour. If the function error code repeats, disconnect power to the range and call for service.**

# OVEN CONTROL, CLOCK AND TIMER



## Clock

The clock must be set to the correct time of day for the automatic oven timing functions to work properly. The time of day cannot be changed during a Timed Baking or Self-Cleaning cycle.

## To Set the Clock



1. Press the CLOCK pad.
2. Press the INCREASE or DECREASE pad to set the time of day.
3. Press the CLOCK pad to start.

## Timer

The timer does not control oven operations. The maximum setting on the timer is 9 hours and 55 minutes.

## To Set the Timer



1. Press the TIMER (ON/OFF) pad.
2. Press the INCREASE or DECREASE pad to set the amount of time on the timer.

The timer will start automatically within a few seconds of releasing the pad. The timer, as you are setting it, will display seconds until one minute is reached. Then it will display minutes and seconds until 60 minutes is reached.

After 60 minutes, it will display hours ("HR" now appears in display) and minutes until the maximum time of 9 hours and 55 minutes is reached.

## To Reset Timer

If "TIMER" is displayed, press the INCREASE or DECREASE pad until the desired time is reached.

If "TIMER" is not displayed, press the TIMER ON/OFF pad first, then follow the instructions above to set the timer.

## To Cancel Timer

Press and hold the TIMER ON/OFF pad until the word "TIMER" disappears from the display.

## End of Cycle Tones

The end of cycle tone is three short beeps followed by a long beep that repeats every six seconds until you press any operation. If you would like to eliminate the repeating beeps, press and hold the CLEAR/OFF pad for 10 seconds.

To return the end of cycle tone to the repeating beeps, press and hold the CLEAR/OFF pad for 10 seconds.

## Display Messages

- If "clean" appears in the display, DOOR flashes and the oven control signals, you set the self-clean cycle and did not shut the door.
- If "LOCK" only appears in the display, the oven door is in the locked position. BAKE, BROIL and COOK TIME cannot be set if the door is in the locked position.

## Power Outage

After a power outage, when power is restored the display will flash and time shown will no longer be correct—for example, after a 5-minute power interruption the clock will be 5 minutes slow.

The display flashes until the clock is reset. All other functions that were in operation when the power went out will have to be programmed again.



# USING YOUR OVEN

## Before Using Your Oven

1. Look at the controls. Be sure you understand how to set them properly.
2. Check the oven interior. Look at the shelves. Take a practice run at removing and replacing them properly to give sure, sturdy support.
3. Read over the information and tips that follow.
4. Keep this guide handy so you can refer to it, especially during the first weeks of using your new range.

### NOTE:

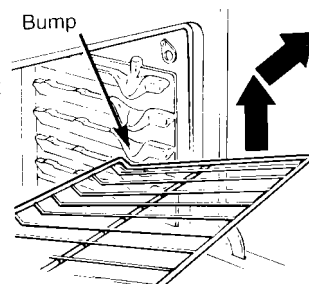
- You may notice a "burning" or "oily" smell the first few times you turn your oven on. This is normal in a new oven and will disappear in a short time. To speed the process, set a self-clean cycle for a minimum of 3 hours. See the Operating the Self-Cleaning Oven section.
- On some models, a fan may automatically turn on to cool internal parts. This is normal, and the fan may continue to run even after the oven is turned off.

## Oven Shelves

The shelves are designed with stop-locks so that when placed correctly on the shelf supports, they will stop before coming completely out from the oven, and will not tilt when removing food from or placing food on them.

When placing cookware on a shelf, pull the shelf out to the bump on the shelf support. Place the cookware on the shelf, then slide the shelf back into the oven. This will eliminate reaching into the hot oven.

**To remove a shelf from the oven,** pull the shelf toward you, tilt the front end upward and pull the shelf out.

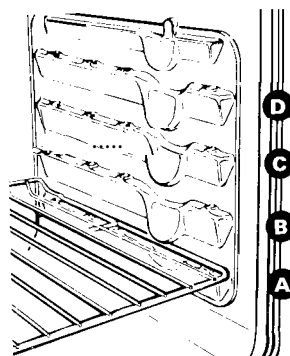


**To replace,** place the shelf on the shelf support with the stop-locks (curved extension under the shelf) facing up toward the rear of the oven. Tilt up the front and push the shelf toward the back of the oven until it goes past the bump on the shelf support. Then lower the front of the shelf and push it all the way back.

## Shelf Positions

The oven has 4 shelf supports identified in this illustration as A (bottom), B, C and D (top).

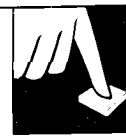
Shelf positions for cooking are suggested in the Baking, Roasting and Broiling sections.



## Oven Light

Use the switch on the panel to turn the light on and off.

# BAKING



Your oven temperature is controlled very accurately using an oven control system. We recommend that you operate the range for a number of weeks using the time given on recipes as a guide to become familiar with your new oven's performance. If you think an adjustment is necessary, see the Adjust the Oven Temperature section. It lists easy *Do It Yourself* instructions.

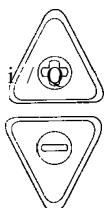
**NOTE:** When the oven is hot, the top and outside surfaces of the range get hot too.

## How to Set Your Range for Baking

To avoid possible burns, place the shelves in the correct position before you turn the oven on.



1. Press the BAKE pad.



2. Press the INCREASE or DECREASE pad. The last oven temperature used appears in the display. Continue pressing until the desired temperature is displayed.

The word "ON" and "100°" will be displayed. As the oven heats up, the display will show the changing temperature. When the oven reaches the temperature you set, it will sound.



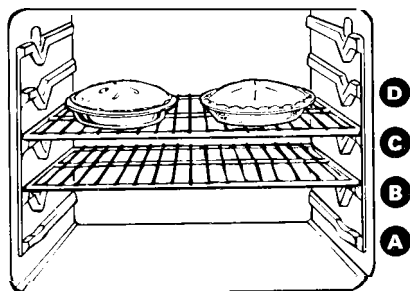
3. Press the CLEAR/OFF pad when baking is finished and then remove the food from the oven.

**NOTE:** A fan may automatically turn on to cool internal parts. This is normal, and the fan may continue to run even after the oven is turned off.

**To change the oven temperature during the BAKE cycle,** press the BAKE pad and then the INCREASE or DECREASE pad to get the new temperature.

## Oven Shelves

Arrange the oven shelves in the desired locations while the oven is cool. The correct shelf position depends on the kind of food and the browning desired. As a general rule, place most foods in the middle of the oven, on either shelf positions B or C. See the chart for suggested shelf positions.



Type of Food	Shelf Position
Angel food cake	A
Biscuits or muffins	B or C
Cookies or cupcakes	B or C
Brownies	B or C
Layer cakes	B or C
Bundt or pound cakes	A or B
Pies or pie shells	B or C
Frozen pies	A (on cookie sheet)
Casseroles	B or C
Roasting	A or B

(continued next page)



# BAKING

(continued)

## Preheating

Preheating is necessary for good results when baking cakes, cookies, pastry and breads. For most casseroles and roasts, preheating is not necessary. For ovens without a preheat indicator light or tone, preheat 10 minutes. After the oven is preheated, place the food in the oven as quickly as possible to prevent heat from escaping.

Preheat the oven if the recipe calls for it. Preheat means bringing the oven up to the specified temperature before putting the food in the oven. To preheat, set the oven at the correct temperature—selecting a higher temperature does not shorten preheat time.

## Baking Pans

Use the proper baking pan. The type of finish on the pan determines the amount of browning that will occur.

- Dark, rough or dull pans absorb heat resulting in a browner, crisper crust. Use this type for pies.
- Shiny, bright and smooth pans reflect heat, resulting in a lighter, more delicate browning. Cakes and cookies require this type of pan.
- Glass baking dishes also absorb heat. When baking in glass baking dishes, lower the temperature by 25°F.
- If you are using dark non-stick pans, you may find that you need to reduce the oven temperature 25°F. to prevent overbrowning.

## Pan Placement

For even cooking and proper browning, there must be enough room for air circulation in the oven. Baking results will be better if baking pans are centered as much as possible rather than being placed to the front or to the back of the oven.

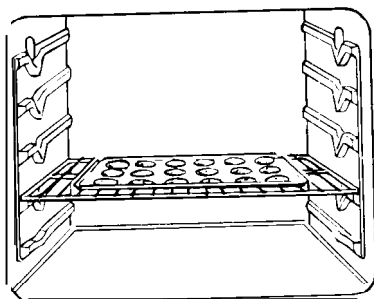
Pans should not touch each other or the walls of the oven. Allow 1 to 1 1/2 inch space between pans as well as from the back of the oven, the door and the sides. If you need to use two shelves, stagger the pans so that one is not directly above the other.

## Baking Guides

When using prepared baking mixes, follow package recipe or instructions for the best baking results.

### Cookies

When baking cookies, flat cookie sheets (without sides) produce better-looking cookies. Cookies baked in a jelly roll pan (short sides all around) may have darker edges and pale or light browning may occur.

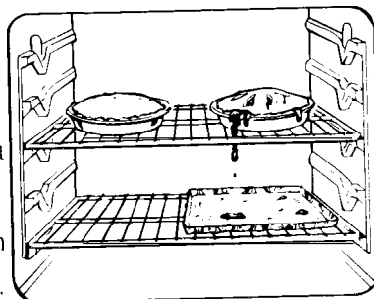


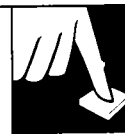
Do not use a cookie sheet so large that it touches the walls or the door of the oven. Never entirely cover a shelf with a cookie sheet.

For best results, use only one cookie sheet in the oven at a time.

### Aluminum Foil

Never entirely cover a shelf with aluminum foil. This will disturb the heat circulation and result in poor baking. A smaller sheet of foil may be used to catch a spillover by placing it on a lower shelf several inches below the food.





## Pies

For best results, bake pies in dark, rough or dull pans to produce a browner, crisper crust. Frozen pies in foil pans should be placed on an aluminum cookie sheet for baking since the shiny oil pan reflects heat away from the pie crust; the cookie sheet helps retain it.

## Cakes

When baking cakes, warped or bent pans will cause uneven baking results and poorly shaped products. A cake baked in a pan larger than the recipe recommends will usually be crisper, thinner and drier than it should be. If baked in a pan smaller than recommended, it may be undercooked and batter may overflow. Check the recipe to make sure the pan size used is the one recommended.

## Don't Peek

Set the timer for the estimated cooking time and do not open the door to look at your food. Most recipes provide minimum and maximum baking times such as "bake 30-40 minutes."

DO NOT open the door to check until the minimum time. Opening the oven door frequently during cooking allows heat to escape and makes baking times longer. Your baking results may also be affected.

# TIMED BAKING

The oven control allows you to turn the oven on or off automatically at specific times that you set. Examples of Immediate Start (oven turns on now and you set it to turn off automatically) and Delay Start and Stop (setting the oven to turn on automatically at a later time and turn off at a preset Stop Time) will be described later.

**NOTE:** Before beginning, make sure the oven clock shows the correct time of day.

To **set the clock**, first press the CLOCK pad. Press the INCREASE or DECREASE pad until correct time of day is displayed. Press the CLOCK pad to start.

## How to Set Immediate Start and Automatic Stop

To **avoid possible burns**, place the shelves in the correct position before you turn the oven on.

The oven will turn on immediately and cook for a selected length of time. At the end of Cook Time, the oven will turn off automatically.

1. Press the COOK TIME pad.

**NOTE:** If your recipe requires preheating, you may need to add additional time to the length of the Cook Time.

2. Press the INCREASE pad until the desired length of baking time appears in the display.

3. Press the BAKE pad.

4. Press the INCREASE or DECREASE pad until the desired temperature is displayed. An attention tone will sound if step 3 is not done.

The words "TIMEBAKE" and "COOK TIME" will be displayed along with the oven temperature that you set and the Cook Time that you entered.

The oven will start automatically. The word "ON" and "t 00" will be displayed. The Cook Time will begin to count down. As the oven heats up, the display will show the changing temperature. When the oven reaches the temperature you set, a tone will sound. The oven will continue to cook for the programmed amount of time, then shut off automatically.

5. Press the CLEAR/OFF pad to clear the display if necessary. Remove the food from the oven. Remember, even though the oven shuts off automatically, foods continue cooking after the controls are off.

**NOTE:**

- Foods that spoil easily, such as milk, eggs, fish, stuffings, poultry and pork, should not be allowed to sit for more than one hour before or after cooking. Room temperature promotes the growth of harmful bacteria. Be sure that the oven light is off because heat from the bulb will speed harmful bacteria growth.
- A fan may automatically turn on and off to cool internal parts. This is normal, and the fan may continue to run after the oven is turned off.

(continued next page)



## TIMED BAKING

(continued)

### How to Set Delay Start and Automatic Stop

#### Quick Reminder:

1. Press the COOK TIME pad.
2. Press the INCREASE/DECREASE pad to set the length of baking time.
3. Press the STOP TIME pad.
4. Press the INCREASE/DECREASE pad until the desired Stop Time appears in the display.
5. Press the BAKE pad.
6. Press the INCREASE/DECREASE pad to select an oven temperature.

**To avoid possible burns,** place the shelves in the correct position before you turn the oven on.

You can set the oven control to delay-start the oven, cook for a specific length of time and then turn off automatically.



1. Press the COOK TIME pad.

NOTE: If your recipe requires preheating, you may need to add additional time to the Cook Time.

2. Press the INCREASE pad until the desired length of baking time appears in the display.



3. Press the STOP TIME pad. "STOP TIME" and the earliest Stop Time you can set appear in the display.

The control automatically sets the Stop Time by adding the Cook Time to the time of day. For example, the time of day is 2:00 and the Cook Time is 3 hours. Adding 3 hours to the time of day equals 5:00.

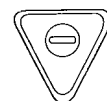
4. Change the Stop Time by pressing the INCREASE pad until the desired Stop Time appears in the display.



5. Press the BAKE pad.



6. Press the INCREASE or DECREASE pad until the desired temperature is displayed.



The oven will turn on automatically. The word "ON" and "1000" will be displayed. The Cook Time will begin to count down. As the oven heats up, the display will show the changing temperature. The oven will continue to cook for the programmed time and shut off automatically.

At the end of Timed Bake, the display will show "0HR:00 COOK TIME" and the oven will turn off. The end of cycle tone will sound.



7. Press the CLEAR/OFF pad to clear the display if necessary. Remove the food from the oven. Remember, even though the oven shuts off automatically, foods continue cooking after the controls are off.

#### NOTE:

- Foods that spoil easily, such as milk, eggs, fish, stuffings, poultry and pork, should not be allowed to sit for more than one hour before or after cooking. Room temperature promotes the growth of harmful bacteria. Be sure the oven light is off because heat from the bulb will speed harmful bacteria growth.
- A fan may automatically turn on and off to cool internal parts. This is normal, and the fan may continue to run after the oven is turned off.



# ADJUST THE OVEN THERMOSTAT— *DO IT YOURSELF!*



You may find that your new oven cooks differently than the one it replaced. We recommend that you use your new oven for a few weeks to become more familiar with it, following the times given in your recipes as a guide.

**If you think your new oven is too hot or too cold, you can adjust the thermostat yourself.** If you think it is too hot, adjust the thermostat to make it cooler. If you think it is too cool, adjust the thermostat to make it hotter.

**We do not recommend the use of inexpensive thermometers,** such as those found in grocery stores, to check the temperature setting of your new oven. These thermometers may vary 20–40 degrees.

## To Adjust the Thermostat:



1. Press the BAKE pad.

2. Select an oven temperature between 500°F and 550°F.
3. Immediately, before “ON” appears, press and hold the BAKE pad for about 4 seconds. The time display will change to the oven adjustment display.



4. The oven temperature can be adjusted up to (+) 35°F hotter or (–) 35°F cooler. Use the INCREASE or DECREASE pad to select the desired change in the display.



5. When you have made the adjustment, press the CLEAR/OFF pad to go back to the time of day display. Use your oven as you would normally.

NOTE: This adjustment will not affect the Broiling or Self-Cleaning temperature. It will be retained in memory after a power failure.



## ROASTING

Roasting is cooking by dry heat. Tender meat or poultry can be roasted uncovered in your oven. Roasting temperatures, which should be low and steady, keep spattering to a minimum.

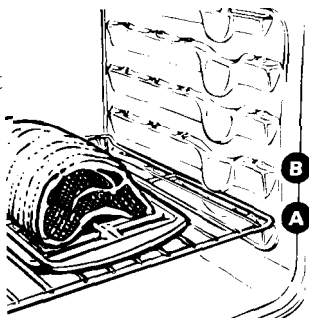
Roasting is really a baking procedure used for meats. Therefore, oven controls are set for Baking or Timed Baking. (You may hear a slight clicking sound, indicating the oven is working properly.)

Most meats continue to cook slightly while standing, after being removed from the oven. The standing time recommended for roasts is 10 to 20 minutes. This allows roasts to firm up and makes them easier to carve. The internal temperature will rise about 5° to 10° F.: to compensate for temperature rise, if desired, remove the roast from the oven sooner (at 5° to 10° F. less than the temperature in the Roasting Guide).

Remember that food will continue to cook in the hot oven and therefore should be removed when the desired internal temperature has been reached.

1. Place the shelf in A or B position. No preheating is necessary.

2. Check the weight of the meat. Place it fat side up (or for poultry, breast side up) on a roasting rack in a shallow pan. The melting fat will baste the meat. Select a pan as close to the size of the meat as possible. (The broiler pan with rack is a good pan for this.)



3. Press the BAKE pad.



4. Press the INCREASE or DECREASE pad. The last oven temperature used appears in the display\*. Continue pressing until the desired temperature is displayed.

The oven will start automatically. The word "ON" and "10:00" will be displayed. As the oven heats up, the display will show the changing temperatures. When the oven reaches the temperature you set, a tone will sound.



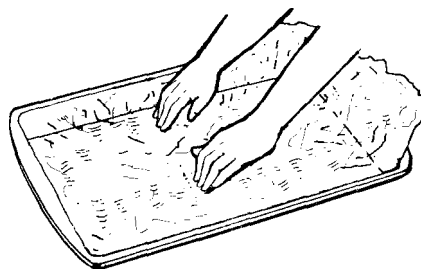
5. Press the CLEAR/OFF pad when roasting is finished, and then remove the food from the oven.

NOTE: A fan may automatically turn on to cool internal parts. This is normal, and the fan may continue to run even after the oven is turned off.

**To change the oven temperature during roasting,** press the BAKE pad and then the INCREASE or DECREASE pad to get the new temperature.

### Use of Aluminum Foil

You can use aluminum foil to line the broiler pan. This makes clean-up easier when using the pan for marinating, cooking with fruits, cooking heavily cured meats or basting food during cooking. Press the foil tightly around the inside of the pan.





## Questions and Answers

**Q. Is it necessary to check for doneness with a meat thermometer?**

**A.** Checking the finished internal temperature at the completion of cooking time is recommended. Temperatures are shown in the Roasting Guide. For roasts over 8 lbs., check with thermometer at half-hour intervals after half the cooking time has passed.

**Q. Why is my roast crumbling when I try to carve it?**

**A.** Roasts are easier to slice if allowed to cool 10 to 20 minutes after removing them from the oven. Be sure to cut across the grain of the meat.

**Q. Do I need to preheat my oven each time I cook a roast or poultry?**

**A.** It is not necessary to preheat your oven. Preheat only for very small roasts, which cook a short length of time.

**Q. When buying a roast, are there any special tips that would help me cook it more evenly?**

**A.** Yes. Buy a roast as even in thickness as possible, or buy rolled roasts.

**Q. Can I seal the sides of my foil "tent" when roasting a turkey?**

**A.** Sealing the foil will steam the meat. Leaving it unsealed allows the air to circulate and brown the meat.

## ROASTING GUIDE

### Frozen Roasts

Frozen roasts of beef, pork, lamb, etc., can be started without thawing, but allow 10 to 25 minutes per pound additional time (10 minutes per pound for roasts under 5 pounds, more time for larger roasts).

Make sure poultry is thawed before roasting. Unthawed poultry often does not cook evenly. Some commercial frozen poultry can be cooked successfully without thawing. Follow the directions given on the package label.

Type	Oven Temperature	Doneness	Approximate Roasting Time in Minutes per Pound		Internal Temperature °F.
<b>Meat</b>			<b>3 to 5 lbs.</b>	<b>6 to 8 lbs.</b>	
Tender cuts; rib, high quality sirloin tip, rump or top round*	325°	Rare: Medium: Well Done:	24-33 35-39 40-45	18-22 22-29 30-35	140°-150° <sup>†</sup> 150°-160° 170°-185°
Lamb leg or bone-in shoulder*	325°	Rare: Medium: Well Done:	21-25 25-30 30-35	20-23 24-28 28-33	140°-150° <sup>†</sup> 150°-160° 170°-185°
Veal shoulder, leg or loin*	325°	Well Done:	35-45	30-40"	170°-180°
Pork loin, rib or shoulder*	325°	Well Done:	35-45	30-40"	170°-180°
Ham, precooked	325°	To Warm:	17-20 minutes per 170 und (any weight)		115°-120°
<b>Poultry</b>			<b>3 to 5 lbs.</b>	<b>Over 5 lbs.</b>	
Chicken or Duck	325°	Well Done:	35-40	30-35	185°-190°
Chicken pieces	350°	Well Done:	35-40		185°-190°
Turkey	325°	Well Done:	<b>10 to 15 lbs.</b> 18-25	<b>Over 15 lbs.</b> 15-20	<b>In thigh:</b> 185°-190°

\*For boneless rolled roasts over 6 inches thick, add 5 to 10 minutes per pound to times given above.

<sup>†</sup>The U. S. Department of Agriculture says "Rare beef is popular, but you should know that cooking it to only 140°F. means some food poisoning organisms may survive." (Source: Safe Food Book—Your Kitchen Guide, USDA Rev. June 1985.)



## BROILING

Broiling is cooking food by intense radiant heat from the upper broil element in the oven. Most fish and tender cuts of meat can be broiled. Follow these directions to keep spattering and smoking to a minimum.

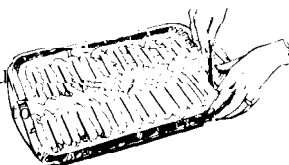
Turn the food using tongs only once during cooking. Time the foods for the first side according to the Broiling Guide. Turn the food, then use the times given for the second side as a guide to the preferred doneness.

1. If the meat has fat or gristle around the edge, cut vertical slashes through both about 2 inches apart. If desired, the fat may be trimmed, leaving a layer about 1/8 inch thick.
2. Place the meat on the broiler rack in the broiler pan. Always use the rack so the fat drips into the broiler pan; otherwise the juices may become hot enough to catch on fire.
3. Position the shelf on the recommended shelf position as suggested in the Broiling Guide. Most broiling is done on C position. **but if your range is connected to 208 volts, you may wish to use a higher position.**
4. **leave the door open position.** The door stays open by itself, yet the proper temperature is maintained in the oven.
5. Press the BROIL pad. Preheating the elements is not necessary. (See the Comments on OILY run in the Broiling Guide.)
6. Press the INCREASE pad once for LO Broil or twice for HI Broil.  
To change from HI Broil to LO Broil, press the BROIL pad then press the DECREASE pad once.
7. When hi-oiling is finished, press the CLEAR/OFF pad. Serve the food immediately, and leave the pan outside the oven to cool during the meal for easiest cleaning.

NOTE: A fan may automatically turn OFF to cool internal parts. This is normal, and the fan may continue to run even after the oven is turned off.

### Use of Aluminum Foil

You can use aluminum foil to line your broiler pan and broiler rack. However, you must mold the foil tightly to the rack and cut slits in it just like the rack.



Without the slits, the foil will prevent fat and meat juices from draining into the broiler pan. The juices could become hot enough to catch on fire. If you do not cut the slits, you are frying, not broiling.

### Questions and Answers

#### Q. Should I salt the meat before broiling?

A. No. Salt draws out the juices and allows them to evaporate. Always salt after cooking. Piercing the meat with a fork also allows juices to escape. Turn the meat with tongs instead of a fork.

#### Q. When broiling, is it necessary to always use a rack in the pan?

A. Yes. Using the rack suspends the meat over the pan. As the meat cooks, the juices fall into the pan, thus keeping the meat drier. Juices are protected by the rack and stay cooler, thus preventing excessive spatter- and smoking.

#### Q. Do I need to grease my broiler rack to prevent meat from sticking?

A. No. The broiler rack is designed to reflect broiler heat, thus keeping the surface cool enough to prevent meat from sticking to the surface. However, spraying the broiler rack lightly with a vegetable cooking spray before cooking will make clean-up easier.

#### Q. Why are my meats not turning out as brown as they should?

A. In some areas, the power (voltage) to the range may be low. In these cases, preheat the broil element for 10 minutes before placing broiler pan with food in oven. Check to see if you are using the recommended shelf position. Broil for longest period of time indicated in the Broiling Guide. Turn food only once during broiling. You may need to move the food to a higher shelf position.

# BROILING GUIDE



Always use the broiler pan and rack that comes with your oven. It is designed to minimize smoking and spattering by trapping the juices in the shielded lower part of the pan.

## •The oven door should be open to the broil stop position.

•For steaks and chops, slash fat evenly around the outside edges of the meat. To slash, cut crosswise through the outer fat surface just to the edge of the meat. Use tongs to turn the meat over to prevent piercing the meat and losing the juices.

•If desired, marinate meats or chicken before broiling, or brush with barbecue sauce last 5 to 10 minutes only.

•When arranging food on the pan, do not let fatty edges hang over the sides because the dripping fat will soil the oven.

•The broiler does not need to be preheated. However, for very thin foods, or to increase browning, preheat if desired.

•Use LO Broil to cook foods such as poultry or thick pork chops thoroughly without over-browning them.

•Frozen steaks can be broiled by positioning the oven shelf at next lowest shelf position and increasing cooking time given in this guide 1 1/2 times per side.

•If your range is connected to 208 volts, rare steaks may be broiled by preheating the broiler and positioning the oven shelf one position higher.

Food	Quantity and/or Thickness	Shelf Position	First Side Time, Minutes	Second Side Time, Minutes	Comments
<b>Bacon</b>	1/2 lb. (about 8 thin slices)	C	4 1/2	4 1/2	Arrange in single layer.
<b>Ground Beef, Well Done</b>	1 lb. (4 patties) 1/2 to 3/4 inch thick	C	10	7	Space evenly. Up to 8 patties take about same time.
<b>Beef Steaks</b>					
Rare	1 inch thick	c	8	5	Steaks less than 1 inch thick cook through before browning. Pan frying is recommended. Slash fat.
Medium	(1 to 1 1/2 lbs.)	c	8	6	
Well Done		c	12	11	
Rare	1 1/2 inch thick	C	10	7-x	
Medium	(2 to 2 1/2 lbs.)	C	15	14-16	
Well Done		c	25	20-25	
<b>Chicken</b>	1 Whole (2 to 2 1/2 lbs.), split lengthwise	A	35	10-15	Reduce time about 5 to 10 minutes per side for cut-up chicken. Brush each side with melted butter. Broil skin-side-down first.
<b>Bakery Products</b>					
Bread (Toast) or Toaster Pastries	2 to 4 slices	C or D	1 1/2-2	1/2	Space evenly. Place English muffins cut-side-up and brush with butter, if desired.
English Muffins	1 pkg. (2) 2 (split)	c or D	3-4		
<b>Lobster Tails</b>	2-4 (6 to 8 oz. each)	B	13-16	Do not turn over.	Cut through back of shell. Spread open. Brush with melted butter before broiling and after half of broiling time.
<b>Fish</b>	1 lb. fillets 1/4 to 1/2 inch thick	C	5	5	Handle and turn very carefully. "Brush with lemon butter before and during cooking, if desired. Preheat broiler to increase browning.
<b>Ham Slices</b> (precooked)	1 inch thick	B	8	8	Increase time 5 to 10 minutes per side for 1 1/2 inch thick or home cured ham.
<b>Pork Chops</b> Well Done	2 (1 1/2 inch thick) 2 (1 inch thick), about 1 lb.	C B	10 13	10 13	Slash fat.
<b>Lamb Chops</b>					
Medium	2 (1 inch thick), about 10 to 12 oz.	C	10	9	Slash fat.
Well Done		C	12	10	
Medium	2 (1 1/2 inch thick), about 1 lb.	C	14	12	
Well Done		B	17	12-14	
<b>Wieners and</b> similar precooked sausage, bratwurst	1-1 1/2 pkg. (10)	C	6	1-2	If desired, split sausages in half lengthwise; cut into 5- to 6-inch pieces.



# OPERATING THE SELF-CLEANING OVEN

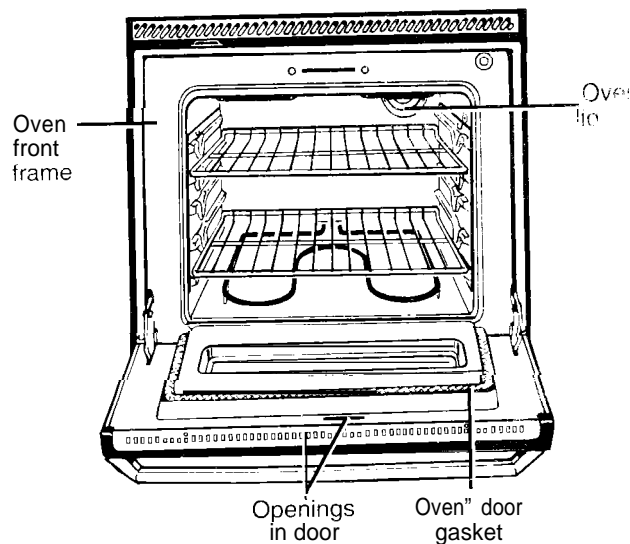
Normal Cleaning Time: 3 hours

## Before a Clean Cycle

1. Remove the broiler pan, broiler rack, all cookware and any aluminum foil from the oven—the oven can't withstand the high cleaning temperatures.

**NOTE: The oven shelves may be cleaned in the self-cleaning oven.** However, they will darken, lose their luster and become hard to slide. Wipe the shelf supports with cooking oil after self-cleaning to make shelves slide more easily.

2. Wipe up heavy soil on the oven bottom. If you use soap, rinse thoroughly before self-cleaning to prevent staining.



3. Clean spatters or soil on the oven front frame and the oven door outside the gasket with a dampened cloth. The oven front frame and the oven door outside the gasket do not get cleaned by the self-clean cycle. On these areas, use detergent and hot water or a soap-filled steel wool pad. Rinse well with a vinegar and water solution. This will help prevent a brown residue from forming when the oven is heated. Buff these areas with a dry cloth. Do not clean the gasket.

Clean the top, sides and outside front of the oven door with soap and water. **Do not use abrasives or oven cleaners.**

Make sure the oven light bulb cover is in place.

**Do not rub or clean the door gasket—**the fiberglass material of the gasket has an extreme yellow resistance to abrasion. An intact and well-fitting oven door gasket is essential for energy-efficient oven operation and good baking results. If you notice the gasket becoming worn, frayed or damaged in any way or if it has become displaced on the door, you should have it replaced.

**Do not let water run down through openings in the top of the door.** To help prevent water from getting in these slots when cleaning, open the door as far as it will go.

4. Close the oven door and make sure the oven light is off. If the oven light is not turned off, the life of the bulb will be shortened or it may burn out immediately. The door latches automatically after the clean cycle is set.

**Do not use commercial oven cleaners or oven protectors in or near the self-cleaning oven.**

A combination of any of these products plus the high clean-cycle temperature may damage tile porcelain finish of the oven.



## How to Set Oven for Cleaning

### Quick Reminder:

1. Press the AUTO SELF CLEAN pad.
2. Press the INCREASE or DECREASE pad until the desired Clean Time appears.

If the oven is too hot and you start to set a clean cycle, the word "OFF" will appear in the display. Allow additional time for cooling before you try to set the cycle.

1. Follow the directions in the Before a Clean Cycle section.
2. After closing the door, press the AUTO SELF CLEAN pad.
3. Press the INCREASE or DECREASE pad until the desired Clean Time is displayed.

Clean Time is normally 3 hours. You can change the Clean Time to any time between 2 and 4 hours, depending on the amount of soil in your oven.

The self-clean cycle will automatically begin after "CLEAN" is displayed and the time for the clean cycle is set. The words "ON" and "LOCK" will appear in the display when the door automatically locks. It will not be possible to open the oven door until the temperature drops below the lock temperature and the LOCK light goes off.

1. When the LOCK light is off, open the door.

### NOTE:

- You can find out when the clean cycle will be finished by pressing the STOP TIME pad.
- The word "door" will be displayed, the word "LOCK" will flash and oven control will signal if you set the clean cycle and forget to close the oven door.
- A fan may automatically turn on and off to cool internal parts. This is normal, and the fan may continue to run after the oven is turned off.

## How to Delay Start of Cleaning

### Quick Reminder:

1. Press the AUTO SELF CLEAN pad.
2. Press the INCREASE or DECREASE pad until the desired Clean Time appears.
3. Press the STOP TIME pad.
4. Press the INCREASE or DECREASE pad until the desired Stop Time appears in the display.

Delay Start is setting the oven timer to start the clean cycle automatically at a later time than the present time of day.

**NOTE:** Before beginning, make sure the oven clock shows the correct time of day.

1. Follow the directions in the Before a Clean Cycle section.



2. After closing the door, press the AUTO SELF CLEAN pad.



3. Press the INCREASE or DECREASE pad to enter the Clean Time.



4. Press the STOP TIME pad. "STOP TIME" and the earliest Stop Time you can set will appear in the display.

The earliest Stop Time will be the Clean Time selected plus the time of day. **For example:** If the Clean Time is three hours and the time of day is 6:00, the Stop Time that appears in the display will be 9:00.

5. Press the INCREASE pad to change the Stop Time to a later time of day if desired. **For example:** If you set Stop Time at 11:00, oven will start clean cycle at 8:00 and end at 11:00. The door latches automatically.

The self-clean cycle will automatically begin after "CLEAN" is displayed and the time for clean cycle is set. The words "ON" and "LOCK" will appear in the display when the door automatically locks. It will not be possible to open the oven door until the temperature drops below the lock temperature and the LOCK light goes off.

6. When the LOCK light is off, open the door.

### NOTE:

- During a delayed self-clean operation you can find out when the oven is set to turn on by pressing and holding the AUTO SELF CLEAN pad for 3 seconds.
- A fan may automatically turn on and off to cool internal parts. This is normal, and the fan may continue to run after the oven is turned off.

(continued / 16 / page)



# OPERATING THE SELF-CLEANING OVEN

(continued)

## After a Clean Cycle

You may notice some white ash in the oven. Just wipe it up with a damp cloth after the oven cools.

If white spots remain, remove them with a soap-filled steel wool pad. Be sure to rinse thoroughly with a vinegar and water mixture. These deposits are usually a salt residue that cannot be removed by the clean cycle.

If the oven is not clean after one clean cycle, repeat the cycle.

If the shelves have become hard to slide, wipe the shelf supports with cooking oil.

**NOTE:** No functions can be programmed before the door automatically unlocks.

## How to Stop a Clean Cycle



1. Press the CLEAR/OFF pad.

2. When the LOCK light goes off and the oven has cooled below the locking temperature, open the door.

## Questions and Answers

**Q. If my oven clock is not set to the correct time of day, can I still self-clean my oven?**

**A.** If the clock is not set to the correct time of day, you will not be able to set a delay clean to end at a specific time.

**Q. Can I use commercial oven cleaners on any part of my self-cleaning oven?**

**A.** No cleaners or coatings should be used around any part of this oven. If you do use them and do not thoroughly rinse the oven with water, wiping it absolutely clean afterwards, the residue can scar the oven surface and damage metal parts the next time the oven is automatically cleaned.

**Q. What should I do if excessive smoking occurs during cleaning?**

**A.** This is caused by excessive soil. Turn the oven off. Open the windows to rid the room of smoke. Wait until the oven has cooled and the word "LOCK" is off in the display. Wipe up the excess soil and reset the clean cycle.

**Q. Is the "crackling" or "popping" sound I hear during cleaning normal?**

**A. Yes.** This is the sound of the metal heating and cooling during both the cooking and cleaning functions.

**Q. Should there be any odor during the cleaning?**

**A. Yes,** there will be an odor during the first few cleanings. Failure to wipe out excessive soil may also cause a strong odor when cleaning.

**Q. What causes the hair-like lines on the enameled surface of my oven?**

**A.** This is a normal condition, resulting from heating and cooling during cleaning. These lines do not affect how your oven performs.

**Q. Why do I have ash left in my oven after cleaning?**

**A.** Some types of soil will leave a deposit which is ash. It can be removed with a damp sponge or cloth.

**Q. My oven shelves do not slide easily. What is the matter?**

**A.** After many cleanings, the oven shelves will lose their luster and become hard to slide. To make the shelves slide more easily, wipe the shelf supports with cooking oil.

**Q. My oven shelves have become gray after the self-clean cycle. Is this normal?**

**A. Yes.** After the self-clean cycle, the shelves will lose some luster and discolor to a deep gray color.

**Q. Can I cook food on the cooktop while the oven is self-cleaning?**

**A. Yes.** While the oven is self-cleaning, you can use the cooktop just as you normally do.



# CARE AND CLEANING



Proper care and cleaning are important so your range will give you efficient and satisfactory service. Follow these directions carefully in caring for it to help assure safe and proper maintenance.

**BE SURE THAT ELECTRIC POWER IS OFF BEFORE CLEANING ANY PART OF THE RANGE.**

## Metal Parts

Do not use steel wool, abrasives, ammonia or commercial oven cleaners. To safely clean surfaces; wash, rinse and then dry with a soft cloth.

## Glass Window

To clean the outside of the window, use a glass cleaner. Rinse and polish with a dry cloth.

**Do not allow the water or cleaner to run down inside the openings in the top of the oven door while cleaning.**

## Painted Surfaces

Painted surfaces include the outside oven door, sides, control panel and drawer front. Clean these with soap and water or a vinegar and water solution. **Do not use commercial oven cleaners, cleansing powders, steel wool or harsh abrasives on any painted surface.**

## Lift-Up Cooktop

Clean the area under the cooktop often. Built-up soil, especially grease, may catch fire.

To make cleaning easier, the entire cooktop may be lifted up and supported in the up position.



**Be sure all surface units are turned off before raising the cooktop.** Grasp the front sides of the cooktop and lift. The surface units do not need to be removed before lifting, however, you may remove one to make raising the cooktop easier.

After cleaning under the cooktop with hot, mild soapy water and a clean cloth, lower the cooktop. Be careful not to pinch your fingers.

## Control Panel and Knobs

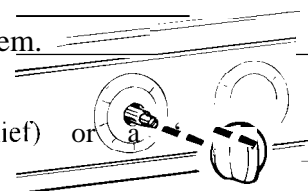
**It's a good idea to wipe the control panel after each use.** Clean with mild soap and water or vinegar and water, rinse with clean water and polish dry with a soft cloth.

**Do not use abrasive cleansers, strong liquid cleansers, plastic scouring pads or oven cleaners on the control panel—they will damage the finish.** A 50/50 solution of vinegar and hot water works well.

**The control knobs may be removed for easier cleaning.**

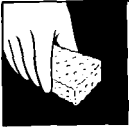
**Before removing the knobs for cleaning,** please note that the knobs on the left side and the knobs on the right side are in the proper OFF position. When replacing the knobs, check the OFF position to insure proper placement.

**To remove a knob,** pull it straight off the stem. If a knob is difficult to remove, place a thin cloth (like a handkerchief) or a piece of string under and around the knob edge and pull up.



Wash the knobs in soap and water but do not soak. Avoid getting water down in to the knob stem holes.

*(continued next page)*



## CARE AND CLEANING

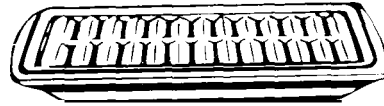
(continued)

### Broiler Pan and Rack

**After broiling**, remove the broiler pan and rack from the oven. Remove the rack from the pan. Carefully pour the grease from the pan into a proper container. Wash and rinse the broiler pan and rack in hot water with a soap-filled or plastic scouring pad.

**If food has burned on**, sprinkle the rack with detergent while hot and cover with wet paper towels or a dishcloth. Soaking the pan will remove burned-on foods.

Both the broiler pan and rack may be cleaned with a commercial oven cleaner.



Do not store a soiled pan and rack anywhere in the range.

Both the broiler pan and rack can also be cleaned in the dishwasher.

**Do not clean the broiler pan or rack in the self-cleaning oven.**

### Surface Units and Drip Pans

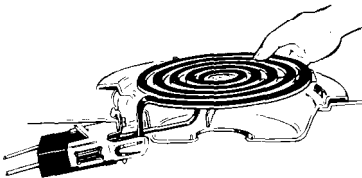
To clean the surface units, turn the control to the highest setting for a minute. The coils will burn off any soil.

#### CAUTION

- Be sure all the controls are turned to OFF and the surface units are cool before attempting to remove them.
- Do not immerse the surface units in liquids of any kind.
- Do not clean the surface units in a dishwasher.
- Do not bend the surface unit plug terminals.
- Do not attempt to clean, adjust or in any way repair the plug-in receptacle.

#### To remove a surface unit:

To remove the drip pans for cleaning, the surface units must be removed first.



Lift the surface unit about 1 inch above the drip pan and pull it out.

**Do not lift the surface unit more than 1 inch.**

[f you do, it may not lie flat on the drip pan when you plug it back in.

**Repeated lifting of the surface unit more than 1 inch above the drip pan can permanently damage the receptacle.**

#### To replace a surface unit:

- Replace the drip pan into the recess in the cooktop. Make sure opening in the pan lines up with the receptacle.
- insert the terminals of the surface unit through the opening in the drip pan and into the receptacle.
- Guide the surface unit into place so it rests evenly'.

### Drip Pans

Remove the surface units. Then lift out the drip pans.

**For best results, clean the drip pans by hand.** Place them in a covered container (or a plastic bag) with 1/4 cup ammonia to loosen the soil. Then scrub with a soap filled scouring pad if necessary. Rinse with clean water and polish with a clean soft cloth.

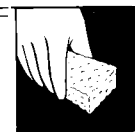
The drip pans may also be cleaned in the dishwasher.

Black drip pans may be cleaned in a self-cleaning oven after they have been thoroughly rinsed.

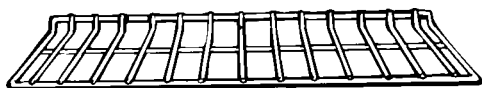
However, self-cleaning them may cause them to lose their original luster and shine.

**Clean the area under the drip pans often.** Built-up soil, especially grease, may catch fire.

**Do not cover the drip pans with foil.** Using foil so close to the receptacle could cause a shock, fire or damage to the range.



## Oven Shelves



**Clean the shelves with a mild abrasive cleanser or steel wool.** After cleaning, rinse the shelves with clean water and dry with a clean cloth.

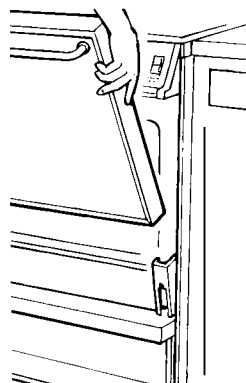
**To remove heavy, hurried-on soil,** soapy metal pads may be used. After scrubbing, wash with soapy water, rinse and dry.

**NOTE:** The oven shelves may also be cleaned in the self-cleaning oven. However, they will darken in color, lose their luster and become hard to slide. Wipe the shelf supports with cooking oil after self-cleaning to make shelves slide more easily.

## Lift-Off Oven Door

The oven door is removable, but it is heavy. You may need help removing and replacing the door. Do NOT lift the door by the handle. This can cause the glass to break or can cause damage to the door.

**To remove the door,** open it a few inches to the special stop position that will hold the door open. Grasp firmly on each side and lift the door straight up and off the hinges.



### NOTE:

- Be careful not to place hands between the hinge and the oven door frame as the hinge could snap back and pinch fingers.
- While working in the oven area, cover the hinges with towels or empty paper towel rolls to prevent pinched fingers and chipping the porcelain enamel on the frame.

**To replace the door,** make sure the hinges are in the special stop position. Position the slots in the bottom of the door squarely over the hinges. Then lower the door slowly and evenly over both hinges at the same time. If hinges snap back against the oven frame, pull them back out.

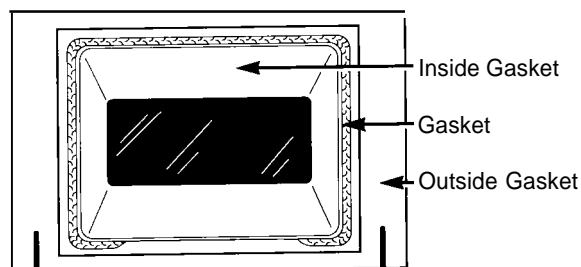
## TO CLEAN THE DOOR:

### Inside of the door:

- Because the area inside the gasket is cleaned during the self clean cycle, you do not need to clean this by hand. Any soap left on the inner causes additional stains when the oven is heated.
- The area outside the gasket can be cleaned with a soap-filled scouring pad.

- **Do not rub or clean the door gasket—the** fiberglass material of the gasket has an extremely low resistance to abrasion. An intact and well-fitting oven door gasket is essential for energy-efficient oven operation and good baking results. If you notice the gasket becoming worn, frayed or damaged in any way or if it has become displaced on the door, you should have it replaced.

**NOTE:** The gasket is designed with a gap at the bottom to allow for proper air circulation.



### Outside of the door:

- Use soap and water to thoroughly clean the top, sides and front of the oven door. DO NOT let water run down through openings in the top of the door. Rinse well. You may also use a glass cleaner to clean the glass on the outside of the door.
- Spillage of marinades, fruit juices, tomato sauces and basting materials containing acids may cause discoloration and should be wiped up immediately. When surface is cool, clean and rinse.
- Do not use oven cleaners, cleansing powders or harsh abrasives on the outside of the door.

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## CARE AND CLEANING

(continued)

### Oven Light Replacement

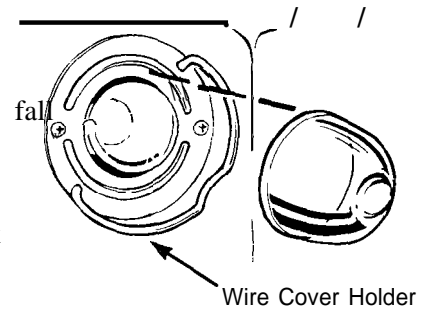
**(CAUTION: Before replacing your oven light bulb, disconnect the electric power for your range at the main fuse or circuit breaker.**

Be sure to let the light cover and bulb cool completely before removing or replacing them. When in use, light bulbs can become warm enough to break if touched with a moist cloth or towel. When cleaning, avoid touching warm light bulb with cleaning cloths if the light cover is removed.

The ovenlight bulb is covered with a removable glass cover which is held in place with a wire. Remove the oven door, if desired, to reach the cover easily.

#### To remove:

- Hold your hand under the cover so it doesn't fall when released. With fingers of the same hand, firmly push back the wire cover holder. Lift off the cover.



#### •DO NOT REMOVE ANY SC: REWS.

- Replace bulb with 40-watt home appliance bulb.

#### To replace:

- Place it into the groove of the light receptacle. Pull the wire forward to the center of cover until it snaps in place. When in place, the wire holds the cover firmly. Be certain the wire is in the depression in the center of the cover.
- Connect electric power to the range.

### Porcelain Enamel Cooktop

The porcelain enamel finish is sturdy but breakable if misused. This finish is acid-resistant. However, any acidic foods spilled (such as fruit juices, tomato or vinegar) should not be permitted to remain on the finish.

If liquids spill on the cooktop while it is hot, use a dry paper towel or cloth to wipe it up right away. When the surface has cooled, wash with soap and water or cleansing powders. Rinse well.

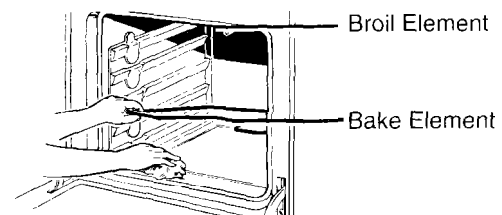
For other spills such as fat splatterings, wash with soap and water or cleansing powders after the surface has cooled. Rinse well. Polish with a dry cloth.

### Oven Heating Elements

**Do not clean the bake element or the broil element.**

Any soot will burn off when the elements are heated.

The bake element can be lifted gently to clean the oven floor. If spillovers, residue or ash accumulate around the bake element gently wipe around the element with warm water.



# QUESTIONS? USE THIS PROBLEM SOLVER



PROBLEM	POSSIBLE CAUSE
"F-AND A NUMBER" FLASH ON DISPLAY	<ul style="list-style-type: none"> <li>•If the time display flashes "F-and a number". you have a function error code. Press the CLEAR/OFF pad. Allow oven to cool for one hour. If the failure code repeats, disconnect all power to the range. Call for service.</li> </ul>
OVEN WILL NOT WORK	<ul style="list-style-type: none"> <li>•The circuit breaker in your house has been tripped, or a fuse has been blown.</li> <li>•Oven controls not properly set.</li> </ul>
OVEN LIGHT DOES NOT WORK	<ul style="list-style-type: none"> <li>•Light bulb is loose or defective. Tighten or replace.</li> <li>•Switch operating oven light is broken. Call for service.</li> </ul>
FOOD DOES NOT BROIL PROPERLY	<ul style="list-style-type: none"> <li>•Oven controls not properly set. See the Broiling section of this guide.</li> <li>•Door not left in broil stop position.</li> <li>•Improper shelf position being used. See the Broiling Guide.</li> <li>•Food is being cooked on hot pan.</li> <li>•Cookware is not suited for broiling.</li> <li>•Low voltage. See the Broiling section.</li> <li>•Aluminum foil used on the broiler pan rack has not been fitted properly and slit as recommended.</li> </ul>
FOOD DOES NOT ROAST OR BAKE PROPERLY	<ul style="list-style-type: none"> <li>•Oven controls not properly set.</li> <li>•Shelf position is incorrect.</li> <li>•Incorrect cookware or cookware of improper size is being used.</li> <li>•Oven shelf is not level.</li> <li>•The oven thermostat needs adjustment. See the Adjust the Oven Thermostat—<i>Do It Yourself</i> section.</li> </ul>
SURFACE UNIT NOT FUNCTIONING PROPERLY	<ul style="list-style-type: none"> <li>•Surface units are not plugged in solidly.</li> <li>•Drip pans are not set securely in the cooktop.</li> <li>•Surface unit controls are not properly set.</li> </ul>
CLOCK AND MINUTE/SECOND TIMER DO NOT WORK	<ul style="list-style-type: none"> <li>•Make sure the electrical plug is plugged into a live, properly grounded power outlet.</li> <li>•Check for power outage.</li> <li>•Review the Oven Control, Clock and Timer section of this guide.</li> </ul>

(continued next page)



## PROBLEM SOLVER

(continued)

PROBLEM	POSSIBLE CAUSE
“BURNING” OR “OILY” ODOR EMITTING FROM OVEN WHEN TURNED ON	<ul style="list-style-type: none"><li>• This is normal in a new oven and will disappear in time. To speed the process, set a self-clean cycle lasting for a minimum of 3 hours. See the Operating the Self-Cleaning Oven section.</li></ul>
STRONG ODOR	<ul style="list-style-type: none"><li>• An odor from the insulation around the inside of the oven is normal for the first few times the oven is used. This is temporary.</li></ul>
OVEN TEMPERATURE TOO HOT OR TOO COLD	<ul style="list-style-type: none"><li>• Oven thermostat needs adjustment. See the Adjust the Oven Thermostat—<i>Do It Yourself</i> section.</li></ul>
CONTROL BEEPS AFTER ENTERING OVEN TIME OR STOP TIME	<ul style="list-style-type: none"><li>• This is reminding you to enter a bake temperature.</li></ul>
OVEN NOT CLEAN AFTER CLEAN CYCLE	<ul style="list-style-type: none"><li>• Oven controls not set properly.</li><li>• Heavily soiled ovens require 3 ½ to 4-hour clean time.</li><li>• Heavy spillovers should be cleaned up before starting clean cycle.</li></ul>

If you need more help...call, toll free:  
GE Answer Center®  
800.626.2000  
consumer information service

# We'll Be There

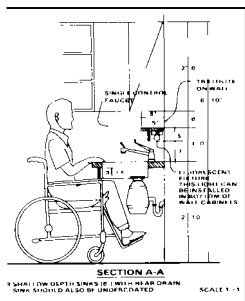
With the purchase of your new GE appliance, receive the assurance that if you ever need information or assistance from GE, we'll be there. All you have to do is call—toll-free!

## **GE Answer Center®** **800626.2000**

Whatever your question about any GE major appliance, GE Answer Center® information service is available to help. Your call—and your question—will be answered promptly and courteously. And you can call any time. GE Answer Center® service is open 24 hours a day, 7 days a week.

## **In-Home Repair Service** **800-GE-CARES (800-432-2737)**

A GE consumer service professional will provide expert repair service, scheduled at a time that's convenient for you. Many GE Consumer Service company-operated locations offer you service today or tomorrow, or at your convenience (7:00 a.m. to 7:00 p.m. weekdays, 9:00 a.m. to 2:00 p.m. Saturdays). Our factory-trained technicians know your appliance inside and out—so most repairs can be handled in just one visit.



## **For Customers With Special Needs...** **800.626.2000**

Upon request, GE will provide Braille controls for a variety of GE appliances, and a brochure to assist in planning a barrier-free kitchen for persons with limited mobility. To obtain these items, free of charge, call 800.626.2000.

Consumers with impaired hearing or speech who have access to a TDD or a conventional teletypewriter may call 800-TDD-GEAC (800-833-4322) to request information or service.

## **Service Contracts** **800-626-2224**

You can have the secure feeling that GE Consumer Service will still be there after your warranty expires. Purchase a GE contract while your warranty is still in effect and you'll receive a substantial discount. With a multiple-year contract, you're assured of future service at today's prices.

## **Parts and Accessories** **800-626-2002**

Individuals qualified to service their own appliances have needed parts or accessories sent directly to their home. The GE parts system provides access to over **47,000** parts...and all GE Genuine Renewal Parts are fully warranted. VISA, MasterCard and Discover cards are accepted.

User maintenance instructions contained in this guide cover procedures intended to be performed by any user. Other servicing generally should be referred to qualified service personnel. Caution must be exercised, since improper servicing may cause unsafe operation.

YOUR GE ELECTRIC RANGE  
**WARRANTY**

Staple **sales slip or cancelled check**  
here. Proof of original **purchase** date  
is needed to obtain service  
under **warranty**.

**WHAT IS COVERED**

**FULL ONE-YEAR WARRANTY**

For one year from date of original purchase, we will provide, free of charge, parts and service labor in your home to repair or replace **any part of the range** that fails because of a manufacturing defect.

\*\*\*\*\*

This warranty is extended to the original purchaser and any succeeding owner for products purchased for ordinary home use in the 48 mainland states, Hawaii and Washington, D.C. In Alaska the warranty is the same except that it is LIMITED because you must pay to ship the product to the service shop or for the service technician's travel costs to your home.

All warranty service will be provided by our Factory Service Centers or by our authorized Customer Care<sup>®</sup> servicers during normal working hours.

Should your appliance need service, during the warranty period or beyond, call 800-GE-CARES (800-432-2737).

**WHAT IS NOT COVERED**

- **Service** trips to your home to teach you how to use the product.

**Read your Use and Care materials.**

If you then have any questions about operating the product, please contact your dealer or our Consumer Affairs office at the address below, or call, toll free:

GE Answer Center<sup>®</sup>  
800.626.2000  
consumer information service  
• Improper installation.

If you have an installation problem, contact your dealer or installer. You are responsible for providing adequate electrical, gas, exhausting and other connecting facilities as described in the Installation Instructions provided with the product

- Replacement of house fuses or resetting of circuit breakers.
- Failure of the product if it is used for other than its intended purpose or used commercially.
- Damage to product caused by accident, fire, floods or acts of God.

**WARRANTOR IS NOT Responsible FOR CONSEQUENTIAL DAMAGES.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are in your state, consult your local or state consumer affairs office or your state's Attorney General.

**Warrantor: General Electric Company**

**If further help is needed concerning this warranty, write:  
Manager—Consumer Affairs, GE Appliances, Louisville, KY 40225**



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